

EGFR recombinant antibody

Anti-EGFR [528]

CATALOG #	REACTIVITY	APPLICATIONS
AAA71933	Human	Flow Cytometry, Functional Assay, Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence

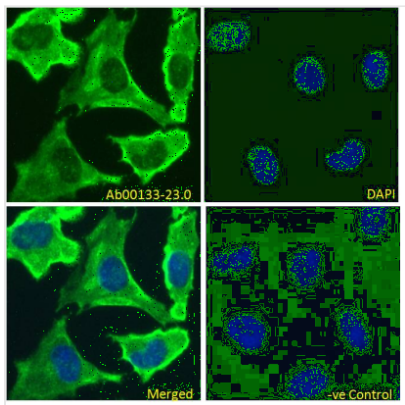
PRODUCT SYNONYMS

EGFR; Anti-EGFR [528]; ERBB; ERBB1; HER1; PIG61; mENA; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; proto-oncogene c-ErbB-1; receptor tyrosine-protein kinase erbB-1; epidermal growth factor; EGFR recombinant antibody

PRODUCT SPECIFICATIONS

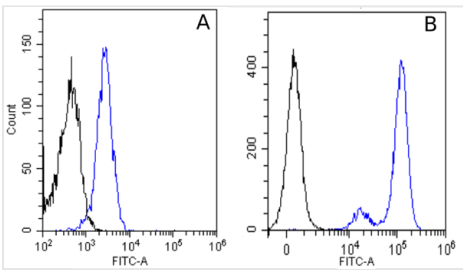
Reactivity	Human
Isotype	Rabbit IgG, kappa
Clone Number	528
Specificity	Recognizes the extracellular domain of EGFR.
Purity/Purification	Protein A Affinity Purified
Sequence Length	1210
Applicable Applications for EGFR recombinant antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence)
Buffer Composition	PBS only with 0.02% Proclin 300.
Immunogen	Partially purified EGFR from A431 cells.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG2a format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of fixed HeLa cells with anti-EGFR antibody 528
Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and a negative control. The negative control was stained with unimmunized rabbit IgG followed by Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-EGFR antibody 528 HeLa (A) and A431 (B) cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of 528 at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using an anti-rabbit IgG JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analysed on a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for EGFR recombinant antibody	Recombinant monoclonal antibody to EGFR. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 528. This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG2a format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for EGFR recombinant antibody	Signal Transduction; Cancer
References	Kawamoto T, Sato JD, Le A, Polikoff J, Sato GH, Mendelsohn J. Growth stimulation of A431 cells by epidermal growth factor: identification of high-affinity receptors for epidermal growth factor by an anti-receptor monoclonal antibody. Proc Natl Acad Sci U S A. 1983 Mar; 80(5):1337-41. PMID:6298788

NCBI AND UNIPROT INFORMATION

NCBI GI #	2811086
NCBI GeneID	1956
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	69,228 Da
NCBI Official Full Name	Epidermal growth factor receptor
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	EGFR
UniProt Synonym Gene Names	ERBB; ERBB1; HER1
UniProt Entry Name	EGFR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-recombinant-antibody/egfr/71933>